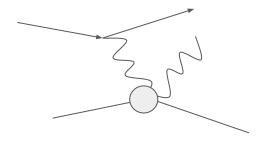
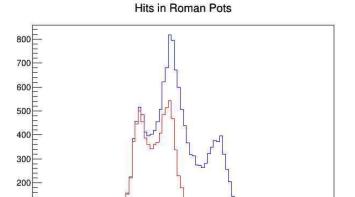


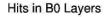
DVCS eA Status

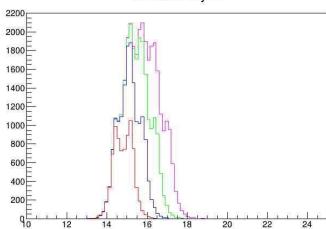
G. Penman, R. Montgomery 01/10/21

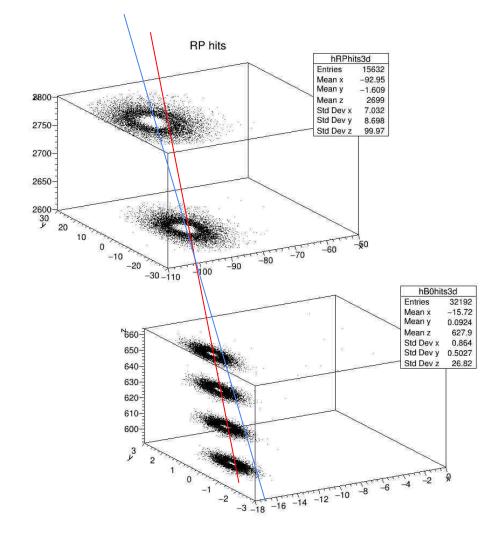
eA->e'A'γ

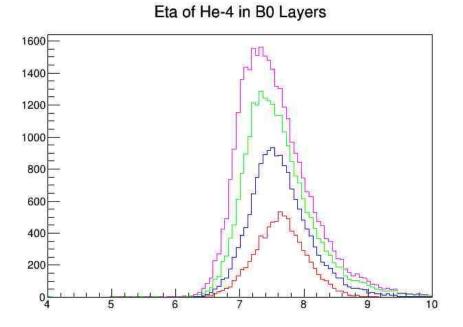




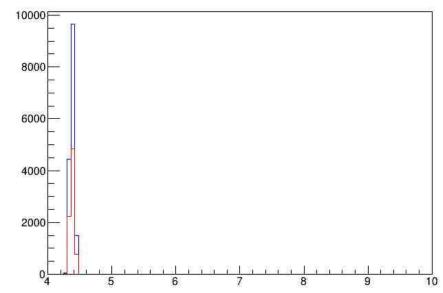












10000 Events @ 5x41 (5x164) [Electron Helicity = +1]

Electron Tracks: 9657

Photon Reconstructions (CEMC, EEMC, Total): 1145 + 6903 = 8048

B0 Helium Layer Hits (1-4): 8048,8048, 8048, 8048

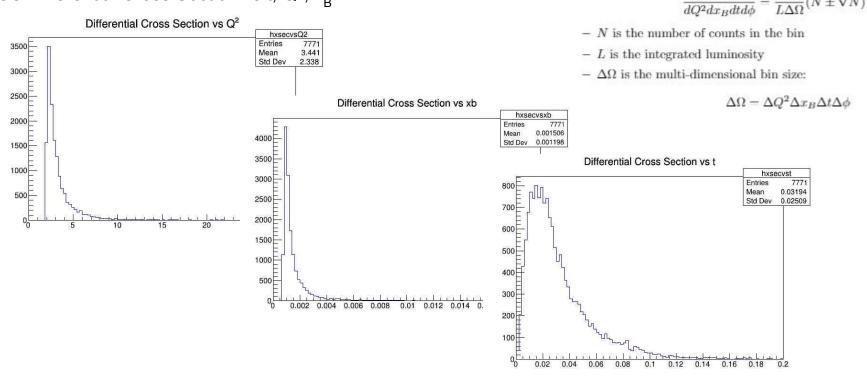
RP Hits (1,2): 7861, 7771

Using RP2 hits as exclusivity cut, but with B0_1 momenta values per last week meeting

Final Plots Status

- DVCS Differential cross-section vs Momentum transfer t
- DVCS Differential cross-section vs Momentum transfer Q2
- DVCS Differential cross-section vs Momentum transfer xB
- Detector efficiency as a function of pseudo rapidity (different colors for different particles, vertical axis is %), detector performance and where the particle are detected
- xb versus Q2 filled with relative counts, detector acceptance
- t versus Q2 filled with relative counts, detector acceptance
- xb versus t filled with relative counts, detector acceptance

1. DVCS Differential Cross Section vs t, Q², x_B



1.7828933 ×1010 Femtobarn [fb] 5x41 Positive helicity

Cross section : 17828.933 nb Precision : 44.246745 nb Events produced correspond to 0.56088608 nb^-1

1.79304×1010 Femtobarn [fb] 5x41 Negative helicity

Cross section : 17930.4 nb
Precision : 44.086337 nb
Events produced correspond to 0.55771206 nb^-1

2. Pseudorapidity vs Normalised Counts (for each 3 particles, split into where detected - where applicable)

